



Alaska

Fort Greely

Facility and Location

Fort Greely is located approximately 100 miles southeast of Fairbanks at the foot of the Alaskan Range. It is the home of the Cold Regions Test Center, which is centered at the Bolio Lake Range Complex. Fort Greely was realigned under the Base Realignment and Closure (BRAC) Program and the 6,750 acres encompassing the main containment area were transferred in 2001. Currently, Fort Greely houses the Ballistic Missile Defense System which is a land based missile interceptor system designed to defend against limited ballistic missile attacks. It consists of ground based interceptors (weapons system) and battle management command, control, and communications.

Media Sampled and Findings

Drinking Water — In 2011, three of three samples detected perchlorate from 0.9 to 1.53 ppb. In 2010, two of two samples detected perchlorate at 0.05 and 0.9 ppb. In 2009, two of two samples detected perchlorate at 10.4 ppb. In 2008, three of three samples detected perchlorate from 9.55 to 10.5 ppb. In 2007, five of five samples detected perchlorate from 0.14 to 9.79 ppb. Prior to 2007, two consecutive quarters at the Garrison (Main Post) detected perchlorate with a high of 0.21 ppb. At the Missile Defense Complex System, two of two samples detected perchlorate at 2.43 and 5.7 ppb.

Groundwater — In 2009, two samples reported no detection.

Appropriate Actions

Fort Greely has two primary water systems: one serving the Main Post and the other serving the Missile Defense Complex. Sampling was discontinued at the Main Post when consecutive quarterly sampling found concentrations below 0.21 ppb. At the Missile Defense Complex, concentrations were below EPA and DoD Preliminary Remediation Goal of 15 ppb.

Fort Greely is currently sampling for perchlorate quarterly at the Missile Defense Complex as a precautionary measure, and believes cleaning the water storage tank and procuring a new batch of disinfectant (and proper storage) will decrease elevated levels. Two of the quarterly samples could not be taken in 2010, regularly scheduled sampling resumed in 2011.